



California State Fire Marshal  
National Fire Incident Reporting System

Data as of: 05/27/2010 5:57:40AM

Incident Date Range:  
01/01/2009 to 12/31/2009

FDID Range:  
0 to No Upper Bound

Incident Type:  
130 to No Upper Bound

### Vehicle Fires By Cause

<u>Incident Year</u>	<u>Primary Factor Contributing To Ignition</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
2009	Abandoned or discarded materials or products	1,380	\$1,429,819	\$232,429	3	0	2	0
	Accidentally turned on, not turned off	12	\$10,901	\$381	0	0	0	0
	Agriculture or land management burns	33	\$3,000	\$1,500	0	0	0	0
	Animal	14	\$30,000	\$150	0	0	0	0
	Arc from faulty contact, broken conductor	41	\$94,446	\$4,726	0	0	0	0
	Arc, spark from operating equipment	103	\$714,550	\$15,500	0	0	1	0
	Automatic control failure	23	\$130,250	\$1,851	0	0	0	0
	Backfire	92	\$247,400	\$55,250	0	0	0	0
	Collision, knock down, run over, turn over	184	\$2,501,555	\$368,953	0	0	2	8
	Construction deficiency	3	\$0	\$0	0	0	0	0
	Cutting, welding too close to combustible	73	\$593,902	\$147,751	0	0	1	0
	Design deficiency	10	\$30,700	\$1,500	0	0	0	0
	Design/Manufacture/Installation Deficiency, other	11	\$15,501	\$5,125	0	0	0	0
	Electrical failure, malfunction, other	786	\$3,469,069	\$504,725	0	0	3	0
	Equipment not being operated properly	42	\$151,622	\$16,202	0	0	1	0
	Equipment overloaded	29	\$136,451	\$22,201	0	0	0	0
	Equipment unattended	36	\$798,112	\$40,796	0	0	0	0
	Equipment used for not intended purpose	14	\$34,100	\$1,500	0	0	0	0
	Exposure fire	515	\$3,545,474	\$620,787	1	0	0	0
	Failure to clean	54	\$64,450	\$15,230	0	0	0	0

## Vehicle Fires By Cause

<u>Incident Year</u>	<u>Primary Factor Contributing To Ignition</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
	Fire spread or control, other	93	\$325,510	\$23,336	0	0	0	0
	Flammable liquid or gas spilled	237	\$2,022,476	\$135,277	0	0	3	3
	Flammable liquid used to kindle fire	172	\$1,435,986	\$36,188	1	0	2	0
	Fluorescent light ballast	2	\$14,000	\$4,000	0	0	0	0
	Heat source too close to combustibles.	477	\$1,264,422	\$139,520	0	0	1	1
	High wind	83	\$95,601	\$155,752	0	0	0	0
	Improper container or storage	95	\$118,531	\$49,601	0	0	1	0
	Improper fuel used	2	\$400	\$0	0	0	0	0
	Improper fueling technique	26	\$16,250	\$5,570	0	0	4	0
	Improper startup	9	\$10,730	\$200	0	0	0	0
	Installation deficiency	32	\$157,915	\$70,851	0	0	0	0
	Leak or break	744	\$4,733,005	\$296,700	1	0	5	1
	Manual control failure	11	\$185,000	\$600	0	0	0	0
	Manufacturing deficiency	6	\$46,000	\$6,000	0	0	0	0
	Mechanical failure, malfunction, other	1,651	\$8,603,910	\$872,282	0	0	6	1
	Misuse of material or product, other	615	\$1,561,370	\$321,208	0	0	3	2
	Natural condition, other	185	\$587,676	\$678,401	1	0	0	0
	None	6,693	\$30,234,396	\$7,866,747	6	0	17	9
	Operational deficiency, other	99	\$302,151	\$10,151	0	0	3	0
	Other factor contributed to ignition	814	\$4,943,447	\$394,861	0	0	3	4
	Outside/open fire for debris or waste disposal	233	\$33,250	\$1,446	0	0	0	0
	Outside/open fire for warming or cooking	111	\$7,601	\$2,301	0	0	0	0
	Playing with heat source	307	\$285,681	\$39,633	0	0	0	0
	Rekindle	73	\$4,161	\$11,251	0	0	0	0
	Short circuit arc from defective, worn insulation	124	\$306,140	\$22,527	0	0	0	0
	Short circuit arc from mechanical damage	86	\$359,870	\$32,900	0	0	1	0

## Vehicle Fires By Cause

<u>Incident Year</u>	<u>Primary Factor Contributing To Ignition</u>	<u>Incident Count</u>	<u>Property Losses</u>	<u>Contents Losses</u>	<u>Fire Service Injuries</u>	<u>Fire Service Deaths</u>	<u>Civilian Injuries</u>	<u>Civilian Deaths</u>
	Storm	39	\$26,500	\$3,500	0	0	0	0
	Undetermined	5,079	\$26,498,009	\$2,587,793	3	0	11	5
	Unspecified short-circuit arc	354	\$2,074,250	\$247,687	0	0	0	0
	Washing part, painting with flammable liquid	1	\$300	\$0	0	0	0	0
	Water caused short-circuit arc	28	\$27,825	\$101	0	0	0	0
	Worn out	232	\$991,466	\$307,039	0	0	0	0
<b>2009</b>	<b>Total</b>	<b>22,168</b>	<b>\$101,275,131</b>	<b>\$16,379,980</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>34</b>
	<b>Grand Total</b>	<b>22,168</b>	<b>\$101,275,131</b>	<b>\$16,379,980</b>	<b>16</b>	<b>0</b>	<b>70</b>	<b>34</b>

The data contained in this report comes from the State Fire Marshal's California All Incident Reporting System (CAIRS) data warehouse. Property and contents loss figures, if included herein, are estimates only. These emergency incident statistics, including injury and death counts, are based only upon information submitted to the State Fire Marshal by participating California fire departments. Please note that apparent variations in incident counts and associated losses shown in this report may be solely due to fluctuations in the amount of data submitted to the State Fire Marshal. And while the incoming data is validated according to logical data rules, individual data elements are not always verified for accuracy.